

**PART 1 OVERVIEW OF DAMS AND OWNERSHIP IN INDIANA****TABLE OF CONTENTS**

<b>Preface .....</b>	<b>i</b>
<b>Acknowledgements and Disclaimer .....</b>	<b>ii</b>
<b>Indiana Dam Safety Manual Comments Form .....</b>	<b>iii</b>
<b>1.0 INTRODUCTION .....</b>	<b>1-1</b>
1.1 OVERVIEW .....	1-1
1.2 DAM SAFETY LAWS.....	1-2
1.3 IMPORTANCE OF DAM SAFETY .....	1-3
1.4 RESPONSIBILITIES OF DAM OWNERSHIP .....	1-4
1.4.1 Overview .....	1-4
1.4.2 Potential Liability Issues.....	1-4
1.4.3 Environmental Concerns.....	1-6
1.4.4 Insurance .....	1-6
1.5 DAM SAFETY INSPECTION REQUIREMENTS .....	1-6
1.6 DAM HAZARD CLASSIFICATION SYSTEM .....	1-8
1.7 GENERAL GUIDELINES FOR NEW DAMS & IMPROVEMENTS TO EXISTING DAMS IN INDIANA.....	1-9
<b>2.0 AN OVERVIEW OF DAMS.....</b>	<b>2-1</b>
2.1 DAMS IN INDIANA .....	2-1
2.2 TYPES OF DAMS.....	2-5
2.3 CONSTRUCTION MATERIALS.....	2-6
2.4 GEOLOGICAL SETTING.....	2-8
2.5 THE WATERSHED .....	2-9

2.6	DOWNSTREAM DEVELOPMENT ISSUES .....	2-10
2.7	STORAGE AND RELEASE OF WATER .....	2-11
<b>3.0</b>	<b>DAM OWNER'S ROLE .....</b>	<b>3-1</b>
3.1	SAFETY PROGRAM .....	3-1
3.2	COMPLIANCE WITH CURRENT STATE REQUIREMENTS .....	3-1
3.3	REPORTING REQUIREMENTS.....	3-2
3.4	FINANCIAL OBLIGATIONS.....	3-2
3.5	SELECTION OF A QUALIFIED DAM SAFETY PROFESSIONAL.....	3-3
3.6	PERMITS.....	3-5
3.7	RECORD KEEPING .....	3-6
<b>4.0</b>	<b>DAM INSPECTOR RESPONSIBILITIES .....</b>	<b>4-1</b>
4.1	EXPERIENCE AND TRAINING .....	4-1
4.2	INSPECTOR LIABILITIES .....	4-3
<b>5.0</b>	<b>RISKS AND HAZARDS OF DAM FAILURE.....</b>	<b>5-1</b>
5.1	RISKS OF DAM FAILURE .....	5-1
5.2	TYPES AND CAUSES OF DAM FAILURE.....	5-5
5.3	NOTABLE DAM FAILURES.....	5-7
<b>6.0</b>	<b>EMERGENCY PREPAREDNESS.....</b>	<b>6-1</b>

## APPENDICES

APPENDIX A	INDIANA CODE FOR REGULATION OF DAMS
APPENDIX B	HAZARD CLASSIFICATION FOR DAMS
APPENDIX C	OUTLINE OF A TYPICAL EMERGENCY ACTION PLAN
APPENDIX D	REFERENCES